

Serial No. 10/802,596
RCE Amendment dated May 10, 2007
Final Office Action dated January 10, 2007
Advisory Action dated March 23, 2007

REMARKS/ARGUMENTS

Claims 9 through 16 are pending in the application. Claims 9 and 13 are rejected under 35 U.S.C. §102(b) as being anticipated by Chen et al., U.S. Pat. No. 5,652,687 (hereinafter "Chen"), and Deroux-Dauphin, U.S. Pat. No. 4,829,659 (hereinafter "Deroux-Dauphin"). Claims 9 and 13 are rejected under 35 U.S.C. §103(a) as being unpatentable over Santini, U.S. Pat. No. 6,130,809 (hereinafter "Santini") in view of Chen. Claims 10 and 14 are rejected under 35 U.S.C. §103(a) as being unpatentable over Santini in view of Chen in further view of Armstrong et al (U.S. Patent No. 5,901,432) ("Armstrong"). Claims 11 and 15 are rejected under 35 U.S.C. §103(a) as being unpatentable over Santini in view of Chen in further view of Jones (U.S. Patent No. 4,337,132) ("Jones"). Claims 12 and 16 are rejected under 35 U.S.C. §103(a) as being unpatentable over Santini in view of Chen in further view of Armstrong in further view of Jones (U.S. Patent No. 4,337,132).

Claim 9 is amended to bring out an additional feature, namely a first insulating layer, sandwiched between a second and a third insulating layer, embedding the thin film coil in the space between the first and second magnetic layers (*e.g.*, as shown in Figs. 5A, 6A). Further support for these limitations may be found at least a page 10, lines 5-22 of the specification. For at least the reasons discussed below, Applicant submits such a feature is neither shown nor suggested by the cited references.

Santini fails to describe at least this limitation. For example, cited Figure 29AA only shows a "gap layer" 482 and a second pole piece/first shield layer 484. The description of Figure 29AA fails to describe such a limitation as well. Similarly, cited Figure 24 illustrates insulation

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layer 312 in immediate contact with coil layer 314. Insulative layer 312 is not sandwiched by a second and third insulative layer. The description of Figure 24 confirms this. The Office Action further cites elements 454 and 476. Insulation layer 454 is shown in Figures 29N and 29O as being in immediate contact above with photoresist layer 464 and coil layer 462. Insulative layer 476 is in immediate contact above with write gap layer 482 (as shown in Figure 29AE). Applicants submit the Santini reference as a whole fails to teach or suggest at least a first insulating layer, sandwiched between a second and a third insulating layer, embedding the thin film coil in the space between the first and second magnetic layers.

Chen also fails to describe at least this limitation. Cited element I_2 (the alleged insulative layer) in Figure 7 is in immediate contact with a portion of the cited pole tip layer P2(T). It is not sandwiched by a second and third insulative layer.

Deroux-Dauphin, Armstrong, and Jones fail to make up for the deficiencies of Chen and Santini as well. Although these references are generally directed toward producing a magnetic read/write heads, they fail to teach, suggest or describe at least a first insulating layer, sandwiched between a second and a third insulating layer, embedding the thin film coil in the space between the first and second magnetic layers.

Since in order to support proper §102(b) and §103(a) rejections, the cited references must teach, suggest or describe each and every limitation of independent claim 9, the current rejections are lacking. Applicant submits claim 9 is currently allowable, and claims 10-16 are allowable for depending from allowable base claims.

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Request for Allowance

It is believed that this Amendment places the application in condition for allowance, and early favorable consideration of this Amendment is earnestly solicited.

If, in the opinion of the Examiner, an interview would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at the telephone number listed below.

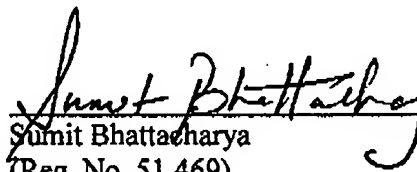
The Office is hereby authorized to charge any fees, or credit any overpayments, to Deposit Account No. 11-0600.

Respectfully submitted,

KENYON & KENYON LLP

Dated: May 10, 2007

By:


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